

## Claims

1. A method for receiving first signals and further signals using a receiver,  
the first and further signals differing in at least one of the transmission  
5 parameters data rate, modulation type, wake-up criterion, synchronization and  
threshold, wherein
  - a) in a first step in a quiescent mode of the receiver, receiving and searching  
for a wake-up criterion (A) is performed intermittently using a first preset  
adjustable configuration of transmission parameters, and
  - 10 b) when no signal is received and no wake-up criterion (A) is found, the  
system switches to at least one further configuration and a search is made  
for a wake-up criterion (B).
2. The method as claimed in claim 1, wherein when no signal is received and no  
15 wake-up criterion is found using at least one further configuration, the process  
starts again with step a).
3. The method as claimed in claim 1 or 2, wherein on receiving successfully and  
finding a wake-up criterion by step a) or b), a wake-up signal is output that  
20 contains as information the given configuration for the successful reception.
4. The method as claimed in one of the preceding claims, wherein on receiving  
successfully and finding a wake-up criterion by step a) or b), the receiver goes  
out of the quiescent mode into an active mode using the configuration that was  
25 successful for the reception concerned.
5. The method as claimed in one of the preceding claims, wherein the successful  
reception of a wake-up criterion by step a) or b) must take place within a preset  
time.
- 30 6. A receiver for carrying out a method as claimed in one of the preceding claims  
having a storage device for loading at least two different pre-definable receive  
configurations, wherein

- 5           a) the receiver has a quiescent mode in which it intermittently receives and searches for a wake-up criterion (A) using a first preset adjustable configuration of transmission parameters, and
- b) has a changeover switch in order to switch to at least one further configuration when no signal is received and no wake-up criterion (A) is found, and to search for a wake-up criterion (B).
- 10       7.    The receiver as claimed in claim 6, wherein the receiver has an active mode that the receiver goes into when reception is successful and a wake-up criterion has been found by step a) or b), using the configuration that was successful for the reception concerned.
- 15       8.    The receiver as claimed in claim 6 or 7, wherein [it] has a time-control unit so that the switchover using the changeover switch occurs within a preset time at the latest.